

Series Single-phase Asynchronous Aluminium Housing Motor With Dual Capacitors

YAL series motors emphasize the advantages of high starting torque and great overload performance. They are suitable for powering wide range of industry needs such as water pumps, air compressors, fan, and other small machines.

Features

- Dual Capacitor
- Available frame size : 71 – 132
- Aluminium Housing
- Rated Voltage : 220V $\pm 5\%$, 50Hz
- Protection Class : IP55
- Insulation Class : F
- Cooling Method : IC 411
- Duty : S1
- Ambient Temperature : $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$
- Altitude : Up to 1000 meters



E-Centrifugal Switch

- Better performance than conventional switch
- Higher reliability
- Maintenance free



Current Limit Switch

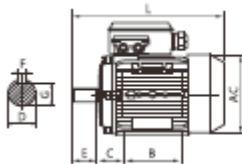
- Simple "push to reset" mechanism
- Compact design
- Increase motor protection
- Prolong motor service



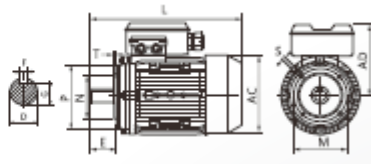
Specifications

Model	Output (kW)	Voltage (V)	Speed (r.p.m)
Frame 71-132	0,25 - 7,5	220	1400 2800

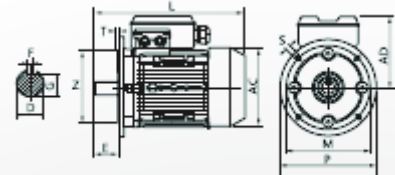
B3



B14



B5



Dimension

Frame Size	Installation Size (mm) B3 - B4 - B5										Installation Size (mm) B14					Installation Size (mm) B5					Overall Dimension (mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	AB	AC	AD	HD	L	
71	112	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	145	145	125	210	255	
80	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3.0	165	130	200	12	3.5	160	165	135	240	295	
90S	140	125	56	24	50	8	20	90	10	115	95	140	M8	3.0	165	130	200	12	3.5	180	185	145	270	335	
90L	140	125	56	24	50	8	20	90	10	115	95	140	M8	3.0	165	130	200	12	3.5	180	185	145	270	360	
100L	160	140	63	28	60	8	24	100	12	130	110	160	M8	3.5	215	180	250	15	4.0	205	215	170	280	380	
112M	190	140	70	28	60	8	24	112	12	130	110	160	M8	3.5	215	180	250	15	4.0	245	240	180	310	400	
132S	216	140	89	38	80	10	33	132	12	165	130	200	M10	4	265	230	300	15	4.0	280	275	195	325	475	
132M	216	178	89	38	80	10	33	132	12	165	130	200	M10	4	265	230	300	15	4.0	280	275	195	325	515	